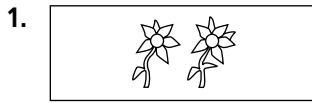


# Practice 4-1

## Ratios and Rates

Write three ratios that each diagram can represent.

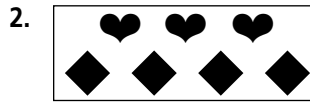


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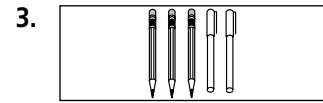


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Write each ratio in simplest form.

4. 9 cm : 12 cm

\_\_\_\_\_

\_\_\_\_\_

5. 20 in. out of 25 in.

\_\_\_\_\_

\_\_\_\_\_

6.  $\frac{18 \text{ km}}{30 \text{ km}}$

\_\_\_\_\_

\_\_\_\_\_

7. 6 in. to 2 ft

8. 10 min to 3 h

9. 20 s to 5 min

Find each unit rate.

10. \$67.92 for 4 gal

\_\_\_\_\_

\_\_\_\_\_

11. \$21.00 for 6 h

\_\_\_\_\_

\_\_\_\_\_

12. 250 mi in 4 h

\_\_\_\_\_

\_\_\_\_\_

13. 141 words in 3 min

14. \$5.94 for 6 carnations

15. 36 min for 12 songs

The table at the right shows the results of a survey. Write each of the ratios in simplest form and as a decimal to the nearest hundredth.

Which Meal Do You Want for the Party?

Tacos	Pizza
###	### ###
###	### I

16. Tacos to Pizza \_\_\_\_\_ 17. Pizza to Tacos \_\_\_\_\_

18. Tacos to the total \_\_\_\_\_ 19. Pizza to the total \_\_\_\_\_

20. Which is the better buy: a 16-oz box of cereal for \$3.89 or a 6-oz box of cereal for \$1.55?

\_\_\_\_\_

21. A bag contains 8 yellow marbles and 6 blue marbles. What number of yellow marbles can you add to the bag so that the ratio of yellow to blue marbles is 2 : 1?

\_\_\_\_\_